FOR 3214: Fire Ecology & Management
SCHOOL OF FOREST, FISHERIES, AND GEOMATICS SCIENCES
UNIVERSITY OF FLORIDA
SPRING 2022

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Course Goals
The basic objective of this course is to understand the principles, concepts, and issues surrounding fire, and to integrate this information into the context of natural resource management, protection, and stewardship. At the end of this class, you should be able to:

- **Analyze** fire as a physical process, including the chemistry and dynamics of fire
- **Understand** fire as an ecological process, including effects on plants, animals, soil, water, and air
- **Identify** social and political forces that affect the use of fire, and how they can be incorporated into land management decisions

Grading Scale
Grades are not rounded. For information on current UF policies for assigning grade points, see: https://catalog.ufl.edu/ugrad/current/regulations/info/grades.aspx

Credits: 2
Class Hours: Friday | Periods 2-3 (8:30-10:25am)
Location: 222 Newins Ziegler Hall
Prerequisites: FOR 3153C or PCB 3034C or PCB 4044C, or the equivalent
Brief Overview of Major Assignments

For details, access the course website on Canvas using your myUFL key.

**Exams**: Two comprehensive exams composed of a combination of multiple choice, short answer, labeling, and essay questions.

**Assignments & Activities**: Inquiry-based assignments and in-class activities will be periodically assigned.

**Quizzes**: Four 30-minute online quizzes due Sunday by midnight.

**Fire Story**: Each student will write a fire ecology and/or management paper based on peer reviewed literature.

**Extra Credit**: One extra credit opportunity equivalent to the points for one quiz will be available.

List of Major Dates

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<th>January</th>
<th>February</th>
<th>March</th>
<th>April</th>
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<tr>
<td>16- Introduction</td>
<td>6- Fire Story Part 1</td>
<td>6- Comm. Part 2</td>
<td>3- Quiz 4</td>
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<td>30- Quiz</td>
<td>13- Quiz 2</td>
<td>11- Spring Break</td>
<td>3- Fire Story Part 4</td>
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<td>20- Meteorology</td>
<td>20- Fire Story Part 3</td>
<td>10- Fire Story Part 5</td>
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<td>25- Exam 1</td>
<td>27- Quiz 3</td>
<td>15- Exam 2</td>
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Required Course Readings


Selected peer-reviewed papers, news articles, podcasts, and videos will be posted on individual modules on Canvas.
<table>
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<tr>
<th>Frequently Asked Questions</th>
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<tr>
<td><strong>How will we teach?</strong></td>
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<td><strong>Fridays 8:30-10:25am in 222 Newins Ziegler:</strong> Attend lectures in person with opportunities for discussion and critical thinking activities.</td>
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<td><strong>What are in-class activities?</strong></td>
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<td><strong>How will we communicate?</strong></td>
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<td><strong>What if you must miss a class?</strong></td>
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<td><strong>What if you must miss many classes?</strong></td>
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<td><strong>What if you miss a due date?</strong></td>
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<td><strong>How can you provide anonymous feedback?</strong></td>
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This syllabus represents current plans and objectives for this course. As the semester progresses, changes may need to be made to accommodate timing, logistics, or to enhance learning. Such changes, communicated clearly, are not unusual and should be expected.

Although natural resources and their management are important to all humans on Earth, modern natural resource management was built on a small subset of voices. This is why integrating a diverse set of experiences is important for a more comprehensive understanding of natural resource science and management. We acknowledge that it is possible that there may be both overt and covert biases in the material due to the lens with which it was written, even though the material is primarily of a scientific nature. We will strive to address these issues by including material from diverse perspectives when possible and by creating a classroom environment conducive to respectful, professional communication.

Just as in any professional environment, meaningful and constructive dialogue is expected in this class and requires a degree of mutual respect, willingness to listen, and tolerance of opposing points of view. Respect for individual differences and alternative viewpoints will be maintained at all times in this class. One's words and use of language should be temperate and within acceptable bounds of civility and decency. Friendly persuasion wins friends and influences people. Aggressively arguing your point often does the opposite and stops dialogue.

This course embraces the University of Florida’s Non-Discrimination Policy, which reads,

The University shall actively promote equal opportunity policies and practices conforming to laws against discrimination. The University is committed to non-discrimination with respect to race, creed, color, religion, age, disability, sex, sexual orientation, gender identity and expression, marital status, national origin, political opinions or affiliations, genetic information and veteran status as protected under the Vietnam Era Veterans’ Readjustment Assistance Act.

If you have questions or concerns about your rights and responsibilities for inclusive learning environment, please see the instructor or refer to the Office of Multicultural & Diversity Affairs website: http://multicultural.ufl.edu.

A computer or mobile device with high-speed internet connection is required for synchronous class time. You will also need a webcam, headset and/or microphone, speakers, and the latest version of web browser that supports Canvas.

Synchronous online sessions may be recorded. By sharing your video, screen, or audio during any synchronous online class sessions, you are consenting to being recorded for the benefit of students who cannot attend live as well as for class review during the current semester. If you have special circumstances or concerns about privacy, it is your responsibility to discuss it with your instructor.

If possible, please turn your camera on during class Zoom sessions; this is especially important during small team breakout work. We have a welcoming and professional classroom environment, and we expect your Zoom presence to support that. What you wear and what shows in the background of your camera should be neutral and not distract from the learning environment. Making use of the photo background function of Zoom is a good way to have a neutral background.

All members of the class are expected to follow rules of common courtesy in all email messages, threaded discussions and chats (i.e., Netiquette). Failure to do so may result in loss of participation points and/or referral to the Dean of Students’ Office. https://www.cise.ufl.edu/wp-content/uploads/2019/08/CISE_Netiquette_Guide.pdf

It is important that you be present for every class meeting, so you can interact with your classmates and participate in activities. It is the responsibility of the student to access online lectures, readings, quizzes, and exams and to maintain satisfactory progress in the course.

Requirements for class attendance and make-up exams, assignments and other work are consistent with university policies that can be found at: https://catalog.ufl.edu/ugrad/current/regulations/info/attendance.aspx

Computer or other hardware failures, except failure of the UF e-Learning system, will not excuse students for missing assignments. Any late submissions due to technical issues MUST be accompanied by the ticket number received from the Helpdesk when the problem was reported to them. The ticket number will document the time and date of the problem. You MUST e-mail your instructor within 24 hours of the technical difficulty if you wish to request consideration.

For computer, software compatibility, or access problems call the HELP DESK phone number at 352-392-HELP = 352-392-4357 (option 2).

For issues with technical difficulties for e-learning in Canvas, please post your question to the Technical Help Discussion in your course, or contact the UF Help Desk at: Learning-support@ufl.edu | (352) 392-HELP - select option 2 | http://elearning.ufl.edu

Library Help Desk support https://uflib.ufl.edu/find/ask/
SFRC Academic Hub https://ufl.instructure.com/courses/303721
More Resources to Help You Succeed

As a student at the University of Florida, you have committed yourself to uphold the Honor Code, which includes the following pledge:

“We, the members of the University of Florida community, pledge to hold ourselves and our peers to the highest standards of honesty and integrity.”

You are expected to exhibit behavior consistent with this commitment to the UF academic community, and on all work submitted for credit at the University of Florida, the following pledge is either required or implied: “On my honor, I have neither given nor received unauthorized aid in doing this assignment.”

It is assumed that you will complete all work independently in each course unless them instructor provides explicit permission for you to collaborate on course tasks (e.g., assignments, papers, quizzes, exams). Furthermore, as part of your obligation to uphold the Honor Code, you should report any condition that facilitates academic misconduct or appropriate personnel. It is your individual responsibility to know and comply with all university policies and procedures regarding academic integrity and the Student Honor Code. Violations of the Honor Code at the University of Florida will not be tolerated.

Violations will be reported to the Dean of Students Office for consideration of disciplinary action. For more information regarding the Student Honor Code, please see: http://www.dso.ufl.edu/sccr/process/student-conduct-honor-code.

The Disability Resource Center coordinates the needed accommodations of students with disabilities. This includes registering disabilities, recommending academic accommodations within the classroom, accessing special adaptive computer equipment, providing interpretation services and mediating faculty-student disability related issues. Students requesting classroom accommodation must first register with the Dean of Students Office. The Dean of Students Office will provide documentation to the student who must then provide this documentation to the Instructor when requesting accommodation. 0001 Reid Hall, 352-392-8565, www.dso.ufl.edu/drc/

The Pantry (http://pantry.fieldandfork.ufl.edu) is a resource on the University of Florida campus committed to eradicate food insecurity. Food insecurity is not having a reliable access to nutritious foods for yourself on a regular basis. If you, or anyone you know is experiencing food insecurity, the Pantry is a resource to visit. We offer non-perishable food, toiletries and fresh vegetables grown at the Field and Fork Gardens to provide a well-balanced diet. Protecting the privacy of its guests and providing food to those in need within our campus community is our priority. Our guests do not need any proof of need to use this resource, all that is needed is a Gator 1 ID to prove you are a current Student, Faculty or Staff at the University of Florida.

Students experiencing crises or personal problems that interfere with their general well-being are encouraged to use the university’s counseling resources. The Counseling & Wellness Center provides confidential counseling services at no cost for currently enrolled students. Resources are available on campus for students having personal problems or lacking clear career or academic goals, which interfere with their academic performance.

- Counseling and Wellness resources http://www.counseling.ufl.edu/cwc/
- U Matter, We Care http://www.umatter.ufl.edu/
- Career Connections Center http://career.ufl.edu/
- Other resources are available at http://www.distance.ufl.edu/getting-help for online students.

Student assessment of instruction is an important part of efforts to improve teaching and learning.

At approximately the mid-point of the semester, the School of Forest, Fisheries, and Geomatic Sciences will request anonymous feedback on student satisfaction on various aspects of this course. These surveys will be sent out through Canvas and are not required but encouraged. This is not the UF Faculty Evaluation!

At the end of the semester, students are expected to provide professional and respectful feedback on the quality of instruction in this course by completing course evaluations online via GatorEvals. Guidance on how to give feedback in a professional and respectful manner is available at https://gatorevals.aa.ufl.edu/students/. Students will be notified when the evaluation period opens and can complete evaluations through the email they receive from GatorEvals, in their Canvas course menu under GatorEvals, or via https://ufl.bluera.com/ufl/. Summaries of course evaluation results are available to students at https://gatorevals.aa.ufl.edu/public-results/.

The School of Forest, Fisheries, and Geomatic Sciences cares about your experience and we will make every effort to address course concerns. We request that all our students complete a course satisfaction survey each semester, which is a time for you to voice your thoughts on how your course is being delivered.

If you have a more urgent concern, your first point of contact should be the SFRG Academic Coordinator or the Graduate/Undergraduate Coordinator for the program offering the course. You may also submit a complaint directly to UF administration:

- Students in online courses: http://www.distance.ufl.edu/student-complaint-process
- Students in face-to-face courses: https://sccr.dso.ufl.edu/policies/student-honor-code-student-conduct-code/

All faculty, staff and students at the university are required and expected to obey the laws and legal agreements governing software use. Failure to do so can lead to monetary damages and/or criminal penalties for the individual violator. Because such violations are also against university policies and rules, disciplinary action will be taken as appropriate.